

1998. 1. 30
received

Resettlement
Plan

INFANTA RESETTLEMENT PROJECT

(Revised)

I. GENERAL INFORMATION

- a. PROJECT TITLE : INFANTA IMPOUNDING IRRIGATION AND ENVIRONMENTAL IMPROVEMENT PROJECT (RESETTLEMENT PROJECT)
- b. PROPOSED SITE : Sitio Baracbac, Brgy. Doliman, Infanta, Pangasinan
- c. PROJECT PROPONENT : Provincial Government of Pangasinan
- d. SOURCE OF FUNDING : Government of Japan thru the Japan International Cooperation Agency (JICA) and the Provincial Government of Pangasinan (PGP).
- e. PROJECT COST : PhP 26,125,502.00
- f. FUND PROVISION : For the provision of basic services and welfare related activities including livelihood assistance and community organizing.

II. OBJECTIVES

General:

The proposed project aims to establish a workable mechanism in addressing the problems and concerns of the families to be displaced by the dam construction and the victims of Mt. Pinatubo disaster, considering their economic upliftment thru the provision of basic services, education and other welfare related programs in order to transform the settlement area into a self-contained and self-reliant community.

Specifics:

1. Provision of health services and welfare related programs.
2. Provision of potable water and sanitation to the relocatees;
3. Provision of housing component requirement.
4. Provision of homelots to individual family-beneficiaries;
5. Provision of skills and entrepreneurial training for the relocatees to prepare them gainful employment.
6. Provision of capital assistance thru credit lending.

IV PROJECT DESCRIPTION

1) Project Site

The proposed settlement site is located at Sitio Baracbac, Brgy. Doliman, Infanta, Pangasinan which covers an area of Twelve (12) hectares. The land is owned by private individuals which will be acquired by the provincial government for settlement purposes. Victims from the Mt. Pinatubo disaster who migrated to Infanta and the neighbouring Zambales Province; will be the focus of basic services such as housing, health, education, livelihood projects, etc.

The residential zone for resettlers was planned so that the sustainable beneficiaries life can continue. The residential zone is located in the southern portion of the Infanta Impounding Irrigation and Environmental Improvement Project in consideration with the obtainment of domestic water which will be supplied from the dam and be distributed by means of gravity after filtration.

A minimum of 1,200 square meters (30 m x 40 m) per household is planned for the area of the residential zone in order to provide each occupant with enough space for backyard gardening, livestock raising and other forms of livelihood.

Below is the brief summary profile of the project:

PROJECT NAME	:	RESETTLEMENT PROJECT Infanta Impounding Irrigation and Environmental Improvement Project
LOCATION	:	Sitio Baracbac, Brgy. Doliman, Infanta, Pangasinan
PROJECT AREA	:	12 hectares
MAJOR ACCESS	:	Barangay Road
DEVELOPMENT	:	Development of land into Seventy (70) homelots with an average area of 1,200 square meters; provision of basic utilities such as road networks, water system, open-lined drainage canal system, sewer system, etc. Provision of institutional facilities, basic services, housing and livelihood component.
TOTAL PROJECT COST	:	PhP 23,600,000.00 (House Construction and Land Development)
LAND USE DISTRIBUTION		
	Residential	- 8.40 has. 70.00 %
	Circulation Space	- 1.82 has. 15.17 %
	Parks, Playgrounds, etc.	- 0.42 has. 3.50 %
	Institutional Area	- 1.24 has. 10.33 %
	Sites of Communal Pumps	- 0.12 has. 1.00 %
	TOTAL :	12.00 has. 100.00 %

2. PROJECT COMPONENTS / OPERATIONS & MAINTENANCE

To ensure the implementation of the program, (4) four major concerns are identified to undertake the project :

- | | |
|----------------------------|---|
| 1. Basic Services | The services are composed of housing, health and nutrition, infrastructure, education, sports and other welfare-related programs. |
| 2. Livelihood | This will delve on skills and entrepreneurial training, credit assistance, employment and marketing assistance. |
| 3. Community Dev't. | This will involve social preparation, advocacy, group sustainance and capability building of the targetted beneficaeries. |
| 4. Administrative | This will render administrative, budgetary and financial support services to the project beneficiaries. |

4. PROJECT BENEFICIARIES

Seventy (70) families from the Mt. Pinatubo disaster are the program beneficiaries of this project. There are least twenty-five (25) Pinatubo victims from Infanta town and the rest to come from the neighbouring town Sta. Cruz, Zambales or those on the list of the Mt. Pinatubo Commission (MPC). Selection of qualified beneficiaries will be based on the Beneficiary Selection Criteria of the Mt. Pinatubo Commission.

5. PROGRAM PLAN OF IMPLEMENTATION

- Phase I - Land Development Works
 - Lot disposition
 - Social Preparation
 - Training (value formation and program orientation)
 - Series of livelihood training inclusive of skills entrepreneurial trainings.
- Phase II - Relocation Phase
- Phase III - Housing Construction
- Phase IV - Post Relocation

5. MONITORING/ SUPERVISION AND EVALUATION SCHEME

The Provincial Government of Pangasinan (PGP) through a Project Management, Monitoring and Evaluation Group (PMMEG) shall monitor the activities on a weekly basis. Overall supervision shall be conducted by the PMMEG in coordination with the Project manager of the Infanta Impounding Irrigation and Environmental Improvement Project. Active participation from the beneficiaries gaining from the project is one indicator that the project can be successful.

6. BUDGETARY REQUIREMENTS

The amount of PHP 26,125,502.00, Philippine Currency, is projected as the total cost for the entire resettlement project. This includes the provision of 70 housing units and other basic services such as health, education, sports development and welfare-related projects and livelihood programs such as livestock raising, food processing, etc. Skills and entrepreneurial training shall be included in the preparation for employment or qualified beneficiaries.

<u>Project Components</u>	<u>Project Cost</u>
1. Provision of Basic Services :	
1.a Socialized Housing Construction	PhP 5,600,000.00
1.b Land Development Works	18,000,000.00
1.c Health, Nutrition & Family Planning	350,000.00
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Sub-Total	PhP 23,950,000.00
2. Livelihood :	
2.b Skills & Entrepreneurial Training	PhP 418,502.00
2.c Capital Assistance thru Credit Lending	1,132,000.00
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Sub-Total	PhP 1,550,502.00
3. Community Development, Organizing & Institution Building	
3.a Social Preparation	PhP 100,000.00
3.b Group Formation	75,000.00
3.c Institutional Building	250,000.00
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Sub-Total	PhP 425,000.00
4. Monitoring & Evaluation	PhP 200,000.00
TOTAL ESTIMATED PROJECT COST	PhP 26,125,502.00

Attachments :

- Resettlement Scheme
- List of Beneficiaries (Mt. Pinatubo victims)
- Program Plan of Implementation

Implementation Plan of Resettlement (To be revised)

Items	1996	1997	1998	1999	2000	2001	2002	2003	2004
Land acquisition									
Construction of road				(JAPAN)					
Construction of domestic water									
Distribution of land					(JAPAN)				
Construction of house						(MPC)			
Conduct of resettlement									
Phase I (Pinatubo victims I)					(30 Settlers)				
Phase II (Pinatubo victims II)						(20 Settlers)			
Phase III (Pinatubo victims III)							(20 Settlers)		
Electric power									
Social welfare									
Finance of Pangasinan Province	3,000	3,000	1,000	3,000	3,000	3,000	1,000	1,000	1,000

Notes: Unit on Finance of Pangasinan Province is Ps. 1,000.

Construction of Japanese Grant Aid

Construction of road									
Construction of canal works									
Construction of domestic water									
Construction of dam									

(8) Attention of movement to resettlement area

As for the implementation of resettlement plan, following matter should be paid attention to.

- To distribute the farm land and houses for settlers at once after have finished to construct roads
- To station a tap for two households at useful places for inhabitants.
- The provincial government should guide the land reclamation to resettlers because the land to be distributed is not farm land with slope.
- The provincial government should support or assist the farming guidance and early funds.

**RESETTLEMENT SCHEME
INFANTA RESETTLEMENT PROJECT**

CRITICAL PERFORMANCE AREA	ACTIVITIES	EXPECTED OUTPUT	MONTHS												RESPONSIBLE OFFICER/AGENCY	BUDGET			
			I	M	J	J	A	S	O	N	D	J	J	J					
1. Pre-relocation Phase	1. Creation of Task Force	1. Issuance of I.O.															1. LCU, PCUP, NEA, DENR, DOI, PSWDO, PHEDCC, PNP		
	2. MOA-Delineation of Roles and Responsibilities	2. MOA Signing															2. PHEDCC		
	3. Preparation of Overall Plans and Budget	3. Development Plan															3. LCU, TASK FORCE, NEA		
	4. I.D. and Prep. of Req'ts. for Fund Sourcing	4. Budgetary Allocation															4. PHEDCC, PSWDO, TASK FORCE, O.P.		
	5. Pre-Census for Data Requirements																		
	SUB - ACTIVITIES																		
	a. Completion of Data Requirements	a. Certifications, Resolutions, Presidential Proclamations, Tech'l. Req'ts. for the Proposed Site																a. PHEDCC, TASK FORCE, PSWDO	
	b. Coord. Relation Operation on the so-called preparation	b. Adoption and Development Plan																b. PCUP, PHEDCC, PSWDO, LCU, PNP	
	6. Census Survey																		
	SUB - ACTIVITIES																		
	a. Mapping and Household Survey/Tagging	a. Socio-Economic Profile And Masterlist of Beneficiaries																a. PSWDO, LCU, PHEDCC, TASK FORCE	LEAD AGEN PERSON IN CHARGE PSWDO (Mrs. Gul.
	b. Census Data Evaluation	b. Masterlist of Eligible Social Housing Program Beneficiaries																b. PSWDO, LCU, PHEDCC, TASK FORCE	
	7. Formulation of Beneficiary Selection Criteria Policy	7. Guidelines/Criteria																7. TASK FORCE	
	8. Assessment of Pre-relocation Activities	8. Progress Report																8. TASK FORCE	

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CRITICAL PERFORMANCE AREA	ACTIVITIES	EXPECTED OUTPUT	I 9 9 8												RESPONSIBLE OFFICER/AGENCY
			M	A	M	J	J	A	S	O	N	D			
I. Relocation Phase	1. Organization of Eligible Program Beneficiaries	1. Registration and Accreditation to concerned Beneficiaries													1. PSWDO, PCUP, NEA, LGU, PHUDCO
	2. Inter-Agency Meeting/Coordination in Preparation to relocation Activities														
	SUB - ACTIVITIES														
	a. Confirmation of Actual Date of Relocation	a. Annual Date of Relocation													a. PHUDCO, TASK FORCE
	b. Ensuring Availability of Funds or Resources and Necessary Documents														b. PHUDCO, LGU, TASK FORCE
	3. Site Preparation/Development	3. Site Ready for Occupancy													3. PHUDCO, LGU, TASK FORCE
	4. Mobilization and Relocation														
	SUB - ACTIVITIES														
	a. Issuance of Entry Passes														a. PHUDCO, LGU, PSWDO, NEA, PCUP, PNP
	b. Loading and Transporting														b. PHUDCO, LGU, PSWDO, NEA, PCUP, PNP
	c. Monitoring & Doc'mn.														c. PHUDCO
	d. Reception of Beneficiaries at Relocation Site														d. PSWDO, DOH, LGU, PHUDOC
	e. Processing of Documents and Lot Assignment														e. PHUDOC, LGU, NEA, PCUP
	5. Assessment of Relocation Activities														5. TASK FORCE
	II. Post Relocation														

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**LIVELIHOOD PLAN FOR THE
MT. PINATUBO VICTIMS**

INFANTA RESETTLEMENT PROJECT

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Rationale :

The Infanta Resettlement Project was designed to accommodate families affected by the Mt. Pinatubo disaster start a new life. A total of seventy (70) housing units will be constructed which features a decent housing unit and a sizeable lot area, just enough to introduce backyard gardening, livestock raising and other forms of livelihood in order to sustain their living. Other basic utilities such as water, electricity, well-paved road networks as well as parks & playground will be provided. These families who fall within the poverty threshold are mostly upland and lowland farmers who were displaced due to the 1991 Mt. Pinatubo eruption and their relocation caused some displacement from their homes, their daily activities and means of livelihood. Hence, there is a need for the government to provide them with all the support and assistance for them to settle in their new environment. One program / plan is the provision of livelihood assistance to help them cope-up and uplift their living condition.

I. SEA KAUNLARAN

A. Brief Description

Self-Employment Assistance (SEA) Kaunlaran was patterned in the context of the Grameen Bank technology which is a federation of community based rural credit associations (Socialized Credit Programs) in Bangladesh targeting the rural poor which is non-collateral and non-interest. SEA Kaunlaran is a project of the Department of Social Welfare & Development and depressed communities who would like to set-up associations that will provide credit assistance under special terms and conditions to the disadvantaged sector, those who cannot borrow from banks and other financial institutions.

a. Project Components

1. Community Organizing - selection of area and member beneficiaries
2. Capability Building Training
3. Capital Assistance - seed capital from DSWD (P/ 100,000/ association)
4. Technical Assistance - Basic Business Management Training (BBMT)
5. Support Services - provisions of social development program by SEA Kaunlaran

C. Mechanics

1. Formation of 5 groups with 5 members each to form the association (SEA KAUINLARAN ASSOCIATION)
2. Elect Chairman and Secretary for the group and President and Treasurer for the association.
3. DSWD releases thru Land Bank of the Philippines the seed capital to association.
4. Association releases loans to members payable for 2 years (24 mos.)
 - a. For projects generating daily or weekly income, the loans shall be paid in weekly installment.
 - b. For projects expected to generate lump sum income only after a certain period of time, a token installment shall be paid every week. The accrued installment shall be paid after the receipt of lump sum income.
5. Members to weekly/monthly amortize the following:
 - a. Principal Loan repayment - P/ 41.66
 - b. Capital build up - 50% of loan repayment - P/ 20.83
 - c. Group Fund - 40% of loan repayment - P/ 16.66
 - d. Operational Fund - 10% of loan repayment - P/ 4.16

(Total weekly amortization - P/ 83.31)
6. Membership fee of P/ 10.00 shall be paid by every member annually.
7. Associations remits loan repayment to LBP weekly/monthly: Capital bank/savings account of SKA.
8. Funding for the training of the beneficiaries will be shouldered by LGU concerned.

D. ELIGIBILITY REQUIREMENTS:

1. Income- a total monthly income of P/ 4,002.00 and below for family of six (6).
2. Physical and Psycho-socially fit.
3. Members of the group must be bonafide Mt. Pinatubo victims as certified and validated by the Mt. Pinatubo Commission and are qualified to be resettled at the Infanta Resettlement Project. The beneficiaries must belong to the same socio-economic status and must come from different household and not close relatives.



Republic of the Philippines
Province of Pangasinan
**PANGASINAN HOUSING & URBAN DEVELOPMENT
COORDINATING OFFICE (PHUDCO)**
Lingayen, Pangasinan
OFFICE OF THE GOVERNOR

11 February, 1990

COL. ANTONIO FERNANDO (Ret.)
Executive Director
Mt. Pinatubo Commission
MPC Complex, Clark Field
Pampanga

Attn: **MR. TRANQUILINO C. BASILIO**
Deputy Executive Director
Mt. Pinatubo Commission

**SUBJECT : LIST OF MT. PINATUBO VICTIMS TO BE RELOCATED
AT THE INFANTA RESETTLEMENT PROJECT**

SIR:

In order to finalize that draft Memorandum of Understanding between the Provincial Government of Pangasinan and the Mt. Pinatubo Commission, we are transmitting herewith the names of Seventy (70) Mt. Pinatubo victims, as provided to us by the Municipal Social Welfare & Development Officers (MSWDOs) of Infanta, Pangasinan, Sta. Cruz, Botolan, Candelaria and Masinloc towns in Zambales, to wit:

<u>Name</u>	<u>Location</u>
1. Federico dela Cruz	Banog, Infanta, Pangasinan
2. Andres Almandres	Banog, Infanta, Pangasinan
3. Celestino Pulido	Poblacion, Infanta, Pangasinan
4. Jensen Anama	Palima, Infanta, Pangasinan
5. Tony Anama	Palima, Infanta, Pangasinan
6. Larry Interfor	Palima, Infanta, Pangasinan
7. Leonila Legrimas	Palima, Infanta, Pangasinan
8. Melecio Legrimas	Palima, Infanta, Pangasinan
9. Dominador Anama	Palima, Infanta, Pangasinan
10. Carlos Padilla	Palima, Infanta, Pangasinan
11. Rolando Reyes, Sr.	Palima, Infanta, Pangasinan
12. Rolando Reyes, Jr.	Palima, Infanta, Pangasinan
13. Loreto Ednalan	Nayom, Infanta, Pangasinan
14. Eduardo Cambi	Nayom, Infanta, Pangasinan
15. Fausto Dela Cruz	Nayom, Infanta, Pangasinan
16. Felemon Ruelos	Nayom, Infanta, Pangasinan
17. Florencio Milano	Pob., Infanta, Pangasinan
18. Conrado Mendoza	Maya, Infanta, Pangasinan
19. Fernando Anibado	Maya, Infanta, Pangasinan
20. Boy Percilia	Palima, Infanta, Pangasinan
21. Edgar Lofa	Maya, Infanta, Pangasinan
22. Mary P. Micala	Maya, Infanta, Pangasinan
23. Cecelliano Percilia	Maya, Infanta, Pangasinan
24. Loreta Baila	S. Vallarta, Po. Infanta, Pangasinan
25. Romeo Marmelo	San Marcelino, Zambales
26. Salvador Mone, Jr.	San Marcelino, Zambales
27. Yubegildo Faytore	Sabang, Santa Cruz, Zambales



Republic of the Philippines
Province of Pangasinan
**PANGASINAN HOUSING & URBAN DEVELOPMENT
COORDINATING OFFICE (PHUDCO)**

Magayoc, Pangasinan

OFFICE OF THE GOVERNOR

- | | |
|-------------------------|--------------------------------------|
| 20. Celso Faytore | Sabang, Santa Cruz, Zambales |
| 20. Teodoro Mojica Jr. | Lungos, Santa Cruz, Zambales |
| 30. Aris Dorda | Blay, Santa Cruz, Zambales |
| 31. Domilana Valdez | Tubo North, Santa Cruz, Zambales |
| 32. Nenita Abing | Sn. Fernando, Santa Cruz, Zambales |
| 33. Dioning Minimo | Sn. Fernando, Santa Cruz, Zambales |
| 34. Bong Abalon | Sn. Fernando, Santa Cruz, Zambales |
| 35. Lambert Cunanan | Gulagula, Santa Cruz, Zambales |
| 36. Quin, Quinerman Jr. | Gulaguls, Santa Cruz, Zambales |
| 37. Martina Basa | Gulaguls, Santa Cruz, Zambales |
| 38. Emari Dacuno | Gulagula, Santa Cruz, Zambales |
| 39. Victorlan Movilla | Gulaguls, Santa Cruz, Zambales |
| 40. Dominador Mabay | Bangrol, Santa Cruz, Zambales |
| 41. Marino Miron | Bangrol, Santa Cruz, Zambales |
| 42. Paco Merlo | Bangrol, Santa Cruz, Zambales |
| 43. Romulo Manilla | Bangrol, Santa Cruz, Zambales |
| 44. Levi Daco | South Pob. Masinloc, Zambales |
| 45. Domingo Ramos | South Pob. Masinloc, Zambales |
| 46. Asuncion Dlongson | South Pob. Masinloc, Zambales |
| 47. Nazareno Donguinés | Inhobot, Masinloc, Zambales |
| 48. Aquilino Digas | Mamaooy, Masinloc, Zambales |
| 49. Andres Hontias | North Pob. Masinloc, Zambales |
| 50. Perfecta Molino | Culiat, Masinloc, Zambales |
| 51. Romeo Manangan | Mandaloy Taltal, Masinloc, Zambales |
| 52. Reynalda Espinosa | Mandaloy, Taltal Masinloc, Zambales |
| 53. Roderick Artillera | Mandaloy, Taltal Masinloc, Zambales |
| 54. Roquillo Angala | Baluganon, Taltal Masinloc, Zambales |
| 55. Galleon Bakazar | Taugtog, Botolan, Zambales |
| 56. Crisante Panes | Taugtog, Botolan, Zambales |
| 57. Carlito Panes | Taugtog, Botolan, Zambales |
| 58. Alex Ieldro | Taugtog, Botolan, Zambales |
| 59. Noel Dayo | Taugtog, Botolan, Zambales |
| 60. Alfredo Dilapidap | Taugtog, Botolan, Zambales |
| 61. Aladin Encarnacion | Taugtog, Botolan, Zambales |
| 62. Rico Valor | Taugtog, Botolan, Zambales |
| 63. Arnold Astronomo | Taugtog, Botolan, Zambales |
| 64. Maximo Baes | Carael, Botolan, Zambales |
| 65. William Angeles | Carael, Botolan, Zambales |
| 66. Sancho Daco | Carael, Botolan, Zambales |
| 67. Arsenio de Jesus | Carael, Botolan, Zambales |
| 68. Dolueras Lopez | Carael, Botolan, Zambales |
| 69. Edward Loyola | Carael, Botolan, Zambales |
| 70. Manuel Diaz | Carael, Botolan, Zambales |

Very truly yours,

ENGR. ALVIN L. BIGAY

Officer - in - Charge

APPLICANTS FOR TAUGTOO RESETTLEMENT AREA

NAME	PLACE OF ORIGIN	REMARKS
1. Molina Dinocosa	Caraul, Botolan	Totally Damaged
2. Juvencio Anas	-do-	sharer
3. Rusty Dedicataria	-do-	-do-
4. Mely Larnza	-do-	-do-
5. Bienvenido Inofinada	-do-	-do-
6. Jun Domacena	-do-	-do-
7. Ariel Aquis	-do-	-do-
8. Alvin Gutierrez	-do-	-do-
9. Maximino Balle	-do-	Partially Damaged
10. William Angeles	-do-	Partially Damaged
11. Bancho Daco	-do-	Totally Damaged
12. Arnanio de Jesus	-do-	sharer
13. Lopez Dolueras	-do-	-do-
14. Manuel Oler	-do-	-do-
15. Eduard Leyola	-do-	sharer, NW
16. Amalia dela Cruz	-do-	sharer
17. Eduardo Lampa	-do-	-do-
18. Fidel Famularcano	-do-	-do-
19. Victor Diego	-do-	-do-
20. Edwin Dimequibo	-do-	TU, w/house at Palanginan
21. Samson Pagso	-do-	sharer
22. Ruperto Dagsaan	-do-	-do-
23. Dexter Amala	-do-	sharer, NW
24. Chita Espanol	-do-	sharer
25. Arturo Mirafior	-do-	-do-
26. Rey Villanueva	-do-	-do-
27. Robertq Bunglo	-do-	-do-
28. Benito Villanueva	-do-	-do-
29. Procesa Binsol	-do-	-do-
30. Noli Dedicataria	-do-	-do-
31. Maria Famularcano	-do-	-do-
32. Teasio Oliver	-do-	-do-
33. Angelica Dedicataria	-do-	-do-
34. Benjamin Dalope	-do-	-do-
35. Roberto de Jesus	-do-	-do-
36. Jaime Arenas Jr.	-do-	-do-
37. Rodel Valencia	-do-	-do-
38. Jose Ditapat	-do-	-do-
39. Danilo Galsote	-do-	-do-
40. Mignon de San Juan	-do-	-do-
41. Virginio Maria	-do-	-do-
42. Glenn Raquino	-do-	-do-
43. Verillo Domacena	-do-	-do-
44. Rogelio Diego	-do-	-do-
45. Daniel Maria	-do-	-do-
46. Renillo Daps	-do-	Repaired house
47. Benigna Manalo	-do-	-do-
48. Roberto Batinga	-do-	-do-
49. Antonio Daco	-do-	house owner
50. Nelson Daus	-do-	-do-
51. Victor Andico	-do-	-do-
52. Eduardo Ramos	-do-	-do-
53. Juan Villanueva	San Juan, Bululan	Totally Damaged
54. Danilo Flora	-do-	sharer
55. Teodora Darusin	-do-	-do-
56. Reynaldo Palmer	-do-	-do-
57. Fernando Ganayan	-do-	Totally Damaged
58. Priscilla Aceron	-do-	sharer

Relief

07 FEB 08 THE 15:46 ACTION CENTER

8427020

P. 03

59. Bion Rivera	:	-do-	:sharer, w/ house
60. Victoria Docuyan	:	-do-	:w/ house
61. Antonio Villarín	:	-do-	:w/ house
62. Marcelino Segura	:	-do-	:sharer
63. Virginia Pacheco	:	-do-	:do
64. Vito Panes	:	-do-	:do
65. Jose Panes	:	-do-	:do
66. Ernesto Giron	:	-do-	:do
67. Numeriano Maganop	:	-do-	:sharer, w/ house
68. Roberto Cepido	:	-do-	:sharer
69. Nor Polinar	:	-do-	:do
70. Salvador Munar	:	-do-	:w/ house
71. Samuel Flora	:	-do-	:sharer, occupant
72. Virgilio Lagman, Jr.	:	Uueg, Botolan	:w/ house
73. Radin Quilalang	:	-do-	:sharer
74. Romualdo David	:	-do-	:w/ house
75. Norman Divato	:	San Miguel, Botolan	:sharer
76. Ramil Diesta	:	-do-	:do
77. Delfin Buenaventura	:	-do-	:do
78. Lilia Runday	:	-do-	:do
79. Nestor Datagan	:	Dangas, Botolan	:do
80. Laura Nagasan	:	-do-	:do
81. Fernando Fisan	:	-do-	:do
82. Monchito Dagsaan	:	-do-	:do
83. Felicitas Semero	:	-do-	:do
84. Victorino Romero, Jr.	:	-do-	:do
85. Perfecto Gonzales	:	Capayawan, Botolan	:do
86. Romeo delos Reyes	:	-do-	:do
87. Angel Abiza	:	-do-	:do
88. Yolanda Pagar	:	-do-	:do
89. Nestor Narra	:	-do-	:do
90. Marlito Quinto	:	-do-	:do
91. Primitivo Devera, Jr.	:	Paudpod, Botolan	:do
92. Phedy Abello	:	-do-	:do
93. Antonio Dolandolan	:	-do-	:do
94. Edgardo Deicatoria	:	-do-	:do
95. Mario Blanco	:	-do-	:do
96. Patricio Arpon	:	-do-	:do
97. Edmund Dante	:	-do-	:do
98. Emilliano Blanco	:	-do-	:w/ house
99. Jose Tirsu Dollete	:	Batonlapoc, Botolan	:sharer
100. Myrna Torres	:	-do-	:do
101. Agustin Villena	:	-do-	:do
102. Michael Arnaldo	:	-do-	:do
103. Bienvenido Cabubos	:	-do-	:do
104. Ronnie Denastrosa	:	-do-	:do
105. Alonia Nunag	:	-do-	:do
106. Liza Dantic	:	-do-	:do
107. Minnie Mayo	:	-do-	:do
108. Rolando Manalo	:	-do-	:do
109. Antonio Rabaca	:	-do-	:do
110. Felix Serbane	:	-do-	:do
111. Rodrigo de Guzman	:	-do-	:do
112. Roy Felino	:	-do-	:do
113. Virgilio Albano	:	-do-	:do
114. Jesus Tandoc	:	-do-	:do
115. Jose Docuyan	:	-do-	:do
116. Agustin Daco	:	-do-	:do
117. Ruben Galleon	:	-do-	:do
118. Noel Lacey	:	-do-	:do
119. Alexander Doble	:	-do-	:do
120. Eduard Dorio	:	-do-	:do
121. Carlo Maganop	:	-do-	:do
122. Flor Mayo	:	-do-	:do
123. Vicente Alinsuhurin	:	-do-	:do
124. Restituto Canones	:	-do-	:do
125. Guillermo Baluyot	:	-do-	:do

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126.Orlando Balangon	Yampo, Botolan	-do-
127.Ernesto Cantro		-do-
128.Rogelio Narrao	Yampo, Botolan	-do-
129.Augusto Buenaventura		-do-
130.Ariel Dimeano		-do-
131.Elsa Tinan		-do-
132.Florencio del Rosario		-do- (PD, habitable)
133.Ruelito Montomayor		-do- (sharer)
134.Rene Ferrer		-do- (sharer)
135.Florentino Gonzales		-do- (sharer)
136.Fidela Duloran		-do- (sharer)
137.Teresita Susi		-do- (sharer)
138.Leonila Achacoco		-do- (sharer)
139.Nicolas Bautista		-do- (sharer)
140.Villardo Villanueva		-do- (sharer)
141.Rolando Dumlaog		-do- (sharer)
142.William Pagdanganan	Paco, Uotolan	-do- (sharer)
143.Regina Dalosa		-do- (sharer)
144.Purita Sahagun	San Felipe, Zambales	-do- (Totally Damaged)
145.Arthur Rabaca	Paco, Botolan	-do- (sharer)
146.Ricardo Cervantes		-do- (sharer)
147.Joseph Dilag		-do- (sharer)
148.Florante Requino, Jr.		-do- (sharer)
149.Amador Macapan, Jr.		-do- (sharer)
150.Allan Yap		-do- (sharer)
151.Dominador Rabaca		-do- (sharer)
152.Judy Mayor		-do- (sharer)
153.Alberto Abalos, Jr.		-do- (sharer)
154.Nudy Dagupan		-do- (sharer)
155.Rolando Esquerre		-do- (sharer)
156.Carlito Romano		-do- (sharer)
157.Remigio Duria		-do- (sharer)
158.Leonardo Nicdao		-do- (sharer)
159.Arnulfo Delangosa		-do- (sharer)
160.Roberto Diomino		-do- (sharer)
161.Eddie Dizon		-do- (sharer)
162.Fredie Raquino		-do- (sharer)
163.Gregoria Dunor		-do- (single, sharer)
164.Rodel Quilona		-do- (sharer)
165.Mandy Dulosa		-do- (sharer)
166.Cresencio Dizon		-do- (sharer)
167.Florentino Anastacio		-do- (sharer)
168.Luneta dela Cruz		-do- (sharer)
169.Osvaldo de Leon		-do- (sharer)
170.Amado Duilalang	Binoclutan, Botolan	-do- (From Bukidnon RA)
171.Kennedy Agagae	Pare, Botolan	-do- (sharer)
172.Elizalde Castillo		-do- (sharer)
173.Wiltes Francisco		-do- (sharer)
174.Jose Medina	Danabunga, Botolan	-do- (sharer)
175.Rover Zapanta		-do- (sharer)
176.Teresita Palos/ Rolando Zapanta		-do- (sharer) NW
177.Mercedita Parinyit		-do- (sharer)
178.Isagani Pangilinan		-do- (sharer)
179.Godofredo Dallas		-do- (sharer)
180.Loreto San Juan		-do- (sharer)
181.Edwin Dial		-do- (sharer)
182.Rodolfo Maypantay	Bancel, Botolan	-do- (sharer)
183.Clito Dinosa		-do- (sharer)
184.Mario Daliposa		-do- (sharer)
185.Lourdes Calirra	Pare), Botolan	-do- (sharer)
186.Josie Rebusas	Sanliagu, Botolan	-do- (sharer)
187.Josie Limalo		-do- (sharer)
188.George Epan		-do- (sharer)
189.Ronald Velasco		-do- (sharer)

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191. Russel Tadona

-do-

-do-

192. Ulderico Antonio

-do-

-do-

193. Romeo Cervantes

-do-

-do-

194. Gerardo Baltuena

-do-

-do-

195. Roque Manalo

-do-

-do-

196. Francisco Encarnacion Mambog, Botolan

-do-

-do-

197. Rodrigo Doblado

-do-

-do-

198. Aruin Ebido

-do-

-do-

199. Ramon Devera

-do-

-do-

200. Rodolfo Buenaventura

-do-

-do-

201. Roberto Dimato

-do-

-do-

202. Baltazar Galluan Tauglog, Botolan

-do-

-do-

203. Crisante Panes

-do-

-do-

204. Carlito Panes

-do-

-do-

205. Alex Iodora

-do-

-do-

206. Noel Dayo

-do-

-do-

207. Felicidad Dana

-do-

-do-

208. Roque Gonzales Poonbato, Botolan

-do-

-do-

209. Ronnie Dags

-do-

-do-

210. Teologo Ramos Villar, Botolan

-do-

-do-

211. Teofilo Maneso Malambog, Botolan

-do-

-do-

212. Bernie Tiburcio Poonbato, Botolan

-do-

-do-

213. Roger Bulatou

-do-

-do-

214. Alberto Salintay

-do-

-do-

215. Jun Carillo

-do-

-do-

216. Bernido dela Cruz

-do-

-do-

217. Jerry Flores

-do-

-do-

218. Francisco Benito Jr

-do-

-do-

219. Efran Divino Villar, Botolan

-do-

-do-

220. Abelardo Fronda Poonbato, Botolan

-do-

-do-

221. Eogaru Dedicatoria

-do-

-do-

222. Procula Dumaplin Batongapoc, Botolan

-do-

-do-

223. Lito Bueno

-do-

-do-

224. Julio Correa

-do-

-do-

225. Marcelino Segura Bangan, Botolan

-do-

-do-

226. Francisco Fausto Carael, Botolan

-do-

-do-

227. Pablo Dolandolan

-do-

-do-

228. Itboy Manalaysay Batongapoc, Botolan

-do-

-do-

229. Edwin Noble

-do-

-do-

230. Aida Dayo

-do-

-do-

231. Nena de Jesus Carael, Botolan

-do-

-do-

232. Teodula Hausa

-do-

-do-

233. Ronald Mendoza Santiago, Botolan

-do-

-do-

234. Alfredo Dilapidap

-do-

-do-

235. Aladin Encarnacion Tauglog, Botolan

-do-

-do-

236. Rico Valor

-do-

-do-

237. Arnold Astronomo Tauglog, Botolan

-do-

-do-

238. Florenio Dedicatoria Carael, Botolan

-do-

-do-

239. Rogelio Dinosa

-do-

-do-

Certified by

EDWINA C. SIOUG

146400

BOTOLAN, ZAMBALES

Data 2.3.2.8-4

MOA between PAP and NIA

MEMORANDUM OF AGREEMENT
ON THE CONSTRUCTION AND OPERATION AND MAINTENANCE
OF THE INFANTA IMPOUNDING IRRIGATION AND ENVIRONMENTAL
IMPROVEMENT PROJECT-IRRIGATION COMPONENT,
Infanta, Pangasinan

KNOW ALL MEN BY THESE PRESENTS:

This Memorandum of Agreement is entered into by and between:

The National Irrigation Administration, a government-owned and controlled corporation with principal address at EDSA, Diliman, Quezon City, represented herein by its Administrator, ORLANDO V. SORIANO, hereinafter referred to as NIA;

- and -

The Provincial Government of Pangasinan, a local government unit with principal address at Lingayen, Pangasinan represented by Governor OSCAR M. ORBOS, hereinafter referred to as Provincial Government.

- WITNESSETH -

WHEREAS, the Infanta Impounding Irrigation and Environmental Improvement Project, referred to in this agreement as the Project, was approved by the Government of Japan under its Grant-In-Aid Program with the Provincial Government as recipient;

WHEREAS, the Project has three (3) major components such as 1) Reservoir and Irrigation, 2) Environmental Improvement, and 3) Resettlement of Mt. Pinatubo victims;

WHEREAS, management of these major components requires participation of the different national government agencies and various sectors of the local government units;

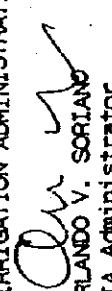
WHEREAS, NIA, being the agency mandated to implement irrigation development program in the country has been designated to head the Dam and Reservoir and Service Area Management Group,

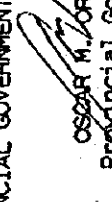
WHEREAS, to ensure sustainability of the Project, the NIA should assist in the Operation and Maintenance of the Project until such time that the Provincial Government is fully capable to manage the system;

NOW, THEREFORE, for and in consideration of the foregoing premises and of mutual covenants hereinafter set forth, the parties hereby agree on the following:

OBLIGATIONS OF NIA:

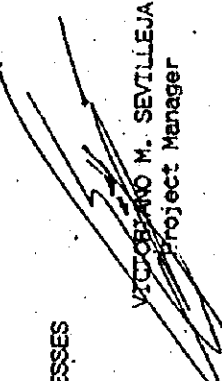
1. Thru the Pangasinan Provincial Irrigation Office (PPIO) and the Regional Irrigation Office (RIO), in coordination with the Provincial Government and the Project Consultant, the NIA shall supervise the construction of the dam and reservoir including the appurtenant structures, primary canals and canal structures that are covered by the Grant;
2. It shall assist the Provincial Government in the construc-

NATIONAL IRRIGATION ADMINISTRATION
BY: 
ORLANDO V. SORIANO
NIA Administrator

PROVINCIAL GOVERNMENT OF PANGASINAN
BY: 
OSCAR M. ORBOS
Provincial Governor
Province of Pangasinan

LEODENCIO I. BARAQUIO
Regional Irrigation Manager
Region-I
N.I.A.

WITNESSES


VICTORIANO M. SEVILLEJA
Project Manager

WITNESSES

PROVINCIAL GOVERNMENT OF PANGASINAN
BY:

NATIONAL IRRIGATION ADMINISTRATION
BY:

VICTORINO M. SEVILLEJA
Project Manager

LEBENCIO I. BARAQUITO
Regional Irrigation Manager
Region-I
N.I.A.

OSCAR M. CRIBOS
Provincial Governor
Province of Pangasinan

ORLANDO V. SORIANO
NIA Administrator

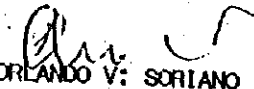
- tion of secondary and tertiary canals and other necessary irrigation facilities that are not included in the Grant;
- 3. Thru the Pangasinan Provincial Irrigation Office, it shall assist the Provincial Government of Pangasinan in the organization of Irrigators Association;
- 4. Thru the Regional Irrigation Office, it shall conduct trainings of the I.A. to develop it a partner in the operation and maintenance of the three (3) Communal Irrigation Systems within the service area namely: 1) Bamnan CIS, 2) San Felipe CIS, and 3) The Proposed Left Main Canal;
- 5. Thru the Pangasinan Provincial Irrigation Office, it shall collect annual amortization payment from the Irrigators Association to recover the cost it incurred in the construction of the existing facilities of Bamnan and San Felipe Communal Irrigation Systems;
- 6. It shall train the personnels of the Provincial Government assigned in the Project for the Operation and Maintenance of the dam and reservoir and appurtenant structures, including the irrigation facilities outside the coverage of Bamnan and San Felipe Communal Irrigation Systems;
- 7. It shall assist the personnels of the Provincial Government of Pangasinan who will be involved in the Operation and Maintenance of the project;
- 8. It shall periodically evaluate the Operation and Maintenance of the project; and
- 9. It shall regularly appraise the Provincial Government of Pangasinan in its operation and maintenance of the system.

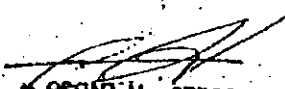
OBLIGATIONS OF THE PROVINCIAL GOVERNMENT:

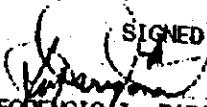
- 1. It shall allow the NIA to sit as head of the dam and reservoir and service area irrigation management group during the construction of the project;
- 2. It shall establish a field office complete with personnels to manage the operation and maintenance of the project upon completion;
- 3. It shall allow the NIA to monitor and evaluate the Operation and Maintenance activities of the system;
- 4. It shall collect irrigation service fee from the farmers in the additional areas to cover-up the expenses in the operation and maintenance of the system;
- 5. It shall regularly submit Operation and Maintenance Report to NIA.
- 6. It shall consider the presently irrigated areas in the delivery of irrigation water, but the priority shall be given to the maximization or effective water use for the whole area.

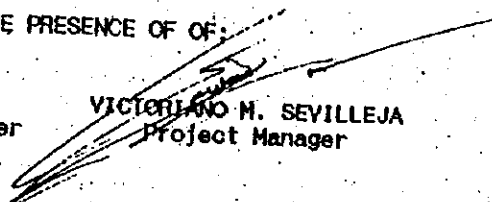
This Agreement shall take effect immediately after its approval by both parties and remain in force unless terminated by any of the parties.

In WITNESS WHEREOF, the parties hereunto affixed their signatures this 1st day of October, 1997.


ORLANDO V. SORIANO
NIA Administrator


OSCAR M. ORBOS
Provincial Governor
Province of Pangasinan


LEONARDO I. BARAQUIO
Regional Irrigation Manager
Region I


VICTORIANO M. SEVILLEJA
Project Manager

ACKNOWLEDGEMENT


REPUBLIC OF THE PHILIPPINES)
PROVINCE OF PANGASINAN) S.S.
MUNICIPALITY OF UDAWETA

BEFORE ME, Notary Public for and in Udaweta, Pangasinan, this 1st day of October, 1997, personally appeared the following:

CTC NO.	ISSUED ON	AT
ORLANDO V. SORIANO 4607288	May 07, 1997	Malasqui, Pangasinan
OSCAR M. ORBOS 2944114	Jan. 29, 1997	Lingayen, Pangasinan

known to me and to me known to be the same persons who executed the foregoing instrument which they acknowledged to me and to me known as their own free and voluntary act and deed.

WITNESS MY HAND AND NOTARIAL SEAL, at the place and date first above-written.


ARTHUR A. SICAM
Notary Public

Until December 31, 1997
PTR No. 8808827
Issued at San Manuel, Pangasinan
On March 11, 1997

Doc. No. 289
Page No. 59
Book No. XXXIV
Series of 1997

Date 2.3.2.8-5

MOA between PGP and BSWM (Draft)

Republic of the Philippines
Department of Agriculture
Bureau of Soils and Water Management
Soil Research and Development Center Building
Elliptical Road, corner Visayas Avenue
Diliman, Quezon City

MEMORANDUM OF AGREEMENT

KNOWN ALL MEN BY THESE PRESENTS

This Agreement made and entered into by and between:

The Bureau of Soils and Water Management (BSWM) of the Department of Agriculture (DA) a government agency created and existing under the laws of the Republic of the Philippines with office address at SRDC BLDG, corner Visayas Avenue, Elliptical Rd., Diliman Quezon City, represented by its Director, Rogelio N. Concepcion, Ph.D. herein referred to as DA/BSWM.

and

The Province of Pangasinan, a local government herewith created pursuant to law, with address at Urduja House, Lingayen, provincial Capital of Pangasinan, represented by its Governor Hon. Oscar M. Orbos herein referred to as the LGU.

WITNESSETH

WHEREAS, the Bureau of Soils and Water Management of the Department of Agriculture is mandated to provide soil and water conservation resources in sustaining soil productivity in this particular marginal land.

WHEREAS, the Bureau of Soils and Water Management has the capability to perform such technical undertaking like soil survey in resettlement.

WHEREAS, the Province of Pangasinan is requesting technical assistance to conduct soil survey study/analysis and appropriate recommendation at the resettlement farmland.

WHEREAS, under the foregoing circumstances some projects, and services of the BSWM may be undertaken incorporation with LGU's thru an appropriate Memorandum of Agreement (MOA).

NOW THEREFORE, for and in consideration of the above premises and mutual covenants and undertaking herein setforth, the parties have agreed to the following:

1. ON THE PART OF THE BSWM Shall:

1. Conduct soil survey and classification
2. Conduct land use mapping/suitability classification
3. Conduct laboratory analysis for the soil sample taken in the Resettlement Farm site.
4. Provide technical assistance in the implementation of the project.

II. ON THE PART OF THE PROVINCE Shall:

1. Provide additional personnel in conducting the soil survey and land resources survey.
2. Provide accommodation for the BSWM personnel during the duration of the survey.
3. Provide (e.g. computer for the processing of data generated by the project.)
4. Provide incentive allowance for the technical staff of the BSWM involved in the project.

IN THE WITNESS OF, the parties have hereunto set their hands on this _____ day of _____ 1997.

Bureau of Soils and Water Management

Province of Pangasinan

ROGELIO N. CONCEPCION, PH.D.
Director, BSWM

HON. OSCAR M. ORBOS
Governor

SIGNED IN THE PRESENCE:

WILFREDO E. CABEZON
Chief, ALMED

ATTY. FELICIANO M. BAUTISTA
Provincial Administrator

ACKNOWLEDGMENT

REPUBLIC OF THE PHILIPPINES(_____)S.S.
Province of PANGASINAN :

Before we, a Notary Public for and in _____ personally prepared the following:

Name	Res. Cert. No.	Issued at/on
Dir. Rogelio N. Concepcion	_____	_____
Hon. Oscar M. Orbos	_____	_____

Know to me to be the same persons who executed the foregoing instrument and acknowledge that the same as their voluntary act deed as the agencies they represent.

This instrument, consisting of four (4) pages, including the page of which this acknowledgment is written, has been signed on the left margin of each and every page therefore by parties and their witness and sealed with notarial seal.

WITNESS MY HAND AND SEAL this _____ day of 1997 at _____

NOTARY PUBLIC

Doc No
Page No
Book No
Series of 1997

3

B. Estimated Project Cost:

ITEMS	COUNTERPART		TOTAL
	BSWM	PROVINCE	
1. Traveling allowance	10,000.00	-	-
2. Gasoline and Oil	5,000.00	-	-
3. Supplies			
Office	2,000.00		
Cartographer	10,000.00		
Computer	2,000.00		
Topographic map	100.00		
4. Laboratory Analysis	15,000.00		
5. Computer		40,000.00	
6. Field Office and Garage		2,000.00	
7. Incentive allowance		10,000.00	
TOTAL	P 34,100.00	P 52,000.00	

Data 2.3.2.8 - 6

MOU between PGP and MPC (Draft)

MEMORANDUM OF UNDERSTANDING

KNOW ALL MEN BY THESE PRESENT :

This Agreement made and executed this ___ day of _____, 1997, by and between :

The **PROVINCIAL GOVERNMENT OF PANGASINAN**, a local government unit existing under Philippine laws, with official address at Urduja House, Capitol compound, Lingayen, Pangasinan represented herein by its Governor, Honorable Oscar M. Orbos, referred to as the **PROVINCE**.

- and -

The **MT. PINATUBO COMMISSION**, a government agency, existing under Philippine laws, with official address at MPC Complex, Cardinal Santos Street, Clark Special Economic Zone, San Fernando, Pampanga, represented herein by its Executive Director, Col. Antonio Fernando (Ret.), referred to as the **MPC**.

- WITNESSETH -

WHEREAS, the **PROVINCE** is a grantee of the Government of Japan's - Grant Aid Program (GAP) through the Japan International Cooperation Agency (JICA) for the construction of the Infanta Impounding Irrigation and Environmental Improvement Project;

WHEREAS, one of the components of the project under the Grant Aid Program is the Resettlement site to accommodate families to be displaced by the proposed project, giving preference to the victims of the Mt. Pinatubo eruption / disaster;

WHEREAS, the **PROVINCE** in coordination with the local government unit of Infanta has identified a fifteen (15) hectare lot, situated in Brgy. Doliman as site of the seventy (70) housing units - Resettlement site for Mt. Pinatubo victims;

WHEREAS, in the project plan, the **PROVINCE** shall acquire the proposed resettlement site based on the fair market value assessed / appraised by the Provincial Appraisal Committee, construct the housing units and install electrical facilities within the resettlement area and provide livelihood opportunities to the housing beneficiaries, while JICA shall construct the road network and water facilities as its counterpart;

WHEREAS, in order for the **PROVINCE** to come-up with the list of housing recipients or resettlers, the assistance and support of the Mt. Pinatubo Commission is needed to validate the names of Mt. Pinatubo victims qualified as resettlers to be relocated at the proposed resettlement site;

NOW THEREFORE, for and in consideration of the foregoing premises and hereinafter set forth, the parties hereto do mutually agree as follows:

1. The PROVINCIAL GOVERNMENT OF PANGASINAN

- 1.a Provide equity to the resettlement site in terms of land, housing construction, lighting system, livelihood/ employment opportunities for the displaced families from the project site and for the Mt. Pinatubo victims.

- 1.b Coordinate with the local government unit of Infanta and its neighbouring municipalities in the identification of Mt. Pinatubo victims who are qualified as resettlers to be relocated in the proposed resettlement site.

2. The MT. PINATUBO COMMISSION

adjacent municipalities such as

- 2.a That upon submission of the list of Mt. Pinatubo victims by the PROVINCE and the LGUs of the municipalities of Infanta, Dasol and Mabini in Pangasinan, and Sta. Cruz municipality of Zambales, the MPC, based on its Beneficiary Selection Criteria, shall come-up with the validated list of Mt. Pinatubo victims qualified to be relocated at the resettlement site.
- 2.b To render technical assistance to the PROVINCE in the documentation aspect and solicit support from other national government agencies whose functions and services are relevant and necessary to the resettlement area.

This Memorandum of Understanding shall be effective immediately upon signing hereof and shall be valid and in force until revoked by both parties in writing.

IN WITNESS WHEREOF, both parties hereunto affixed their signatures this _____ day of _____, 1997 in _____.

PROVINCIAL GOVERNMENT OF PANGASINAN

by:

OSCAR M. ORBOS
Governor

MT. PINATUBO COMMISSION

by:

ANTONIO FERNANDO
Executive Director

SIGNED IN THE PRESENCE OF :

ACKNOWLEDGEMENT

Republic of the Philippine)
Province of Pangasinan) s.s.
Municipality of Lingayen)

BEFORE ME, a Notary Public for and in the PROVINCE OF PANGASINAN, this ____day
of _____, 1997, personally appeared the following:

Name	CTC No.	Date/Place Issued
------	---------	-------------------

OSCAR M. ORBOS ANTONIO FERNANDO		
------------------------------------	--	--

known to me to be the same persons who executed the foregoing instrument acknowledged to me that the same is their free and voluntary act and deed as well as the entities they represent. This instrument consist of ____ pages, including this page herein this ACKNOWLEDGEMENT is written and signed by the parties and their instrumental witnesses on each and every page hereof, and sealed with my notarial seal.

WITNESS MY HAND AND SEAL, on the date, year and place above written.

NOTARY PUBLIC

Doc. No. _____
Book No. _____
Page No. _____
Series of _____

Data 2.3.2.8-7. ECC Approval

04-DEC-97 THU 10:27 ACTION CENTER

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P.03



Republic of the Philippines
Department of Environment and Natural Resources
Visayas Avenue, Diliman, Quezon City, 1100
Tel. Nos. (832) 929-66-26 to 29 • (832) 929-82-52
929-86-20 • 929-86-33 to 35
929-70-41 to 43



25 NOV 1997

9703-003-217C
HON. OSCAR M. ORBOS
Governor
PROVINCE OF PANGASINAN
Provincial Capitol
Ungayen, Pangasinan

Dear Gov. Orbos:

This has reference to your application for an Environmental Compliance Certificate (ECC) for the proposed INFANTA IMPOUNDING IRRIGATION AND ENVIRONMENTAL IMPROVEMENT PROJECT to be located in Infanta, Pangasinan.

After evaluation of the documents submitted on the aforesaid project, this Office has decided to grant the same an Environmental Compliance Certificate (ECC).

You may proceed with project implementation after securing all the necessary permits from other pertinent government agencies. Please be advised, however, that this Office will be monitoring the project periodically to ensure your compliance with stipulations cited in the attached ECC. Further, any expansion or modification of currently approved operations will be subject to the Environmental Impact Assessment (EIA) requirements.

Very truly yours,

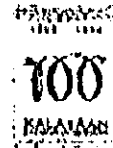
V. Ramos
VICTOR O. RAMOS
Secretary

cc: DENR - Region I

Grow a Tree for Legacy



Republic of the Philippines
 Department of Environment and Natural Resources
 Visayas Avenue, Diliman, Quezon City, 1100
 Tel. Nos. (632) 929-69-26 to 29 • (632) 929-62-52
 929-68-20 • 020-86-33 to 35
 929-70-41 to 43



ENVIRONMENTAL COMPLIANCE CERTIFICATE

The Department of Environment and Natural Resources (DENR), through the Environmental Management Bureau (EMB) hereby grants this Environment Compliance Certificate (ECC) to the proposed **INFANTA IMPOUNDING IRRIGATION AND ENVIRONMENTAL IMPROVEMENT PROJECT** of the **PROVINCIAL GOVERNMENT OF PANGASINAN** to be located in Infanta, Pangasinan complying with the Environmental Impact Assessment (EIA) requirement as prescribed in the promulgated guidelines implementing Section 3 (b) of P.D. 1121 and P.D. 1586.

This Certificate is being issued subject to the following conditions:

1. This Certificate covers only the construction and operation of a 28-meter high rockfill water impounding dam with a storage capacity of 80.6 MCM to irrigate 1,400 hectares of paddy fields;
2. The dam shall be used only for irrigation purposes;
3. The proponent shall submit to the EMB and DENR Regional Units a mutually acceptable resettlement and compensation program duly and legally approved by all affected families/households within the project site through a Memorandum of Agreement (MOA) before actual start of project construction. The resettlement and compensation program shall include details of the payment scheme (who, how much and when paid) and provision of alternative livelihood;
4. Cutting/disposition of trees within the proposed area shall be in accordance with existing forestry laws, rules and regulations and under close supervision of DENR Regional Units;
5. All trees with a diameter of 20-30 cm. shall be balled and replanted along the maintenance road leading to the site. This shall be properly coordinated with the DENR Regional Units;
6. Measures to prevent erosion, siltation and damage to downstream water quality shall be undertaken during construction and operation stages;
7. The DENR standards set for air (noise and TSP) and water quality shall be complied with;
8. Proper hygienic practices shall be observed by all workers and project staff to ensure sanitation of the immediate environment;
9. Safety and appropriate gadgets shall be provided to all workers to prevent health and occupational hazards;
10. The contractor and the proponent shall ensure the structural soundness/stability of the dam prior to impoundment;
11. For any cut, stripped and/or exposed surfaces, the same shall be revegetated and/or rip-rapped accordingly to prevent soil erosion;
12. The proponent shall ensure that the change in the surface water hydrology resulting from the canal system will not induce water-borne diseases. Assistance for regular medical check-up of affected communities shall be provided;

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13. The flow in the irrigation canals shall be regulated to prevent pesticide and fertilizer contamination of the water bodies as a result of back flow from the rice fields;
14. Priority to employment shall be given to qualified local residents including women during the construction of the project;
15. A Community Assistance Program for livelihood to be participated in also by women and indigenous peoples shall be formulated and implemented. The program shall also include provision for health (medical and dental) services, educational services and assistance in the construction of deepwells for potable drinking water and other domestic uses. It shall be implemented in coordination with the DOH and the Department of Education, Culture and Sports (DECS);
16. An Environmental Management Plan to include monitoring and watershed management shall be developed and carried out in coordination with the DENR Regional Units, Local Government Units (LGUs) and other pertinent agencies;
17. An Environmental Risk Assessment (ERA) to include specific contingency measures and community assistance shall be submitted to the EMB for approval within sixty (60) days from receipt of ECC;
18. An annual risk/hazard auditing report shall be submitted to the DENR Regional Units;
19. All other mitigating measures stated in the submitted EIS document, modifications to it and as approved by the EMB shall be strictly implemented;
20. A Multipartite Monitoring Team (MMT) to be composed of the representatives of the proponent, the DENR, the LGUs, a local environmental NGO and the affected communities shall be organized through a MOA within sixty (60) days from receipt of this ECC. The MMT shall oversee the compliance of the proponent with the ECC conditions and applicable laws, rules and regulations;
21. Within sixty (60) days after the ECC is issued and not later than the initial project construction phase, the proponent shall establish an Environmental Monitoring Fund (EMF) to cover all costs attendant to the operation of the MMT such as training, meals, accommodation, transportation, etc.;
22. On-the-spot monitoring and inspection may be initiated by the EMB and/or the DENR Regional Units anytime in coordination with concerned groups to monitor the project's environmental impact and the proponent's compliance with the ECC conditions;
23. The proponent shall set up an Environmental Guarantee Fund (EGF) to cover expenses for indemnification of damages to life and property that might be caused by the project including rehabilitation and/or restoration of areas affected by the project's implementation and abandonment of the project activities related to the prevention of possible negative impacts. The amount and mechanics of the EGF shall be determined by the DENR, the LGUs and the proponent and formalized through a MOA which shall be submitted within sixty (60) days after the issuance of this Certificate. The absence of this shall cause cancellation of this Certificate;
24. The proponent shall create an Environmental Unit (EU) to handle the environmental-related aspects of the project. The EU shall submit environmental monitoring programs and reports in accordance with the format duly approved by the EMB, to the DENR Regional Units and the EMB on a quarterly basis;

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25. The proponent in coordination with LGUs, NGOs and other government agencies shall undertake an effective disaster preparedness and Information Education Communication (IEC) program to explain publicly its mitigative measures as well as the conditions of the ECC. It shall open opportunities to educate the local residents, LGUs and other interested parties on the environment and human health safety features of the project. To ensure objectivity of the presentation, the activities shall be funded by the proponent and implemented by a joint team composed of the proponent, the DENR and the DENR's selected NGO. A detailed disaster preparedness and IEC Program shall be submitted to the EMB and the DENR Regional Units within sixty (60) days upon receipt of the ECC:
26. All other permits required by other government agencies shall be secured before project construction;
27. Any expansion/modification of approved operations will be subjected to a new environmental impact assessment requirement; and
28. The transfer of ownership of this project carries the same conditions in the ECC for which written notification shall be made within fifteen (15) days from such transfer.

Non-compliance with any of the above conditions shall be sufficient cause for the suspension of this Certificate and/or imposition of fine in the amount not to exceed Fifty Thousand Pesos (P50,000.00) for every violation thereof, at the discretion of the EMB (Section 9 of P. D. 1586).

Given this 25 NOV 1997


VICTOR O. RAMOS
Secretary

Data 2.3.2.8 - 8

Certification of Budget for 1998 (for Infanta)



Republic of the Philippines
PROVINCE OF PANGASINAN

Office of the Provincial Budget Officer

Lingayen, Pangasinan

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CERTIFICATION

TO WHOM IT MAY CONCERN:

This is to certify that the amount of THREE MILLION FIVE HUNDRED THOUSAND PESOS (P3,500,000.00) has been allocated by the Province of Pangasinan in the Annual Budget for Calendar Year 1998 as counterpart for the Infanta Impounding Irrigation and Environment Improvement Project.

This Certification is issued for submission to the National Economic and Development Authority (NEDA), Pasig City.

Lingayen, Pangasinan, January 5, 1998.


HILARIA J. CLAVERIA
Provincial Budget Officer

Data 3.1-1 Study on River Diversion

The construction of dam is scheduled to be carried out during the two dry seasons. During the first dry season, the river bed excavation, foundation treatment and embankment (57,000m³) of core & filter zones upto the river bed level will be carried out at the river bed section. And during the second dry season, the main embankment works (246,000m³) will be carried out.

The river diversion plan is to be made to a 10 years probable flood during the dry season.

The design flood discharge is estimated on the basis of recent 15 years daily rainfall data at Iba station which is located in the same climate zone and has comparatively long-term reliable records. The annual maximum daily rainfall records at Iba during the dry season (November to May) are listed as shown in the table below.

Year	Daily rainfall (mm)
1995	43.8
1994	22.1
1993	49.6
1992	39.6
1991	34.0
1990	12.7
1989	35.0
1988	44.8
1987	16.8
1986	38.0
1985	45.0
1984	33.5
1983	37.0
1982	44.2
1981	65.6

The 10 years probable daily rainfall is obtained at 60 mm according to the Iwai method.

The daily maximum rainfall is distributed to hourly rainfall and the 10 years probable

flood is estimated by the unit-hydrograph method of which coefficients and conditions are obtained from BSWM. The peak discharge becomes 67 m³/s and the total inflow volume 1,450,000 m³.

However the rainfall happens more or less sporadically and the ground surface is dried up during the dry season and the actual runoff coefficient would be comparatively less than that of rainy season. The runoff coefficient, thus estimated to be 70% of that of rainy season. Namely, the peak discharge becomes 47 m³/s and the total inflow 1,000,000 m³.

(1) River diversion plan during the first dry season

An upstream side coffer dam with the crest El. 38.50 m and a downstream coffer dam with the crest El. 33.0 m are to be constructed on the both sides of proposed dam site. And a diversion open channel with a capacity of 15 m³/s is to be constructed on the left bank along the river.

A 10 years flood flow will be safely released by the channel capacity and the storage capacity of approx. 400,000 m³ at WL 37.00 m. It is considered that a flood exceeding 15 m³/s will occur very scarcely during the construction period.

The diversion channel has 3 m in bottom width, 1:1 slopes on both sides, and approx. 2 m in depth. The channel is approx. 280 m in total length. Two lines of pipe (1.3 m in diameter) are to be placed in the 40 m section crossing the upstream side coffer dam and a cover to make a culvert open channel is to be placed in the 15 section crossing the downstream side coffer dam.

The upstream side coffer dam is designed to have 3 m of the crest width, 1:2.5 on the upstream slope, 1:2.0 on the downstream slope, and approx. 6.5 m in the max. height. The downstream coffer dam is 3 m of the crest width, 1:2.0 on the up & downstream slopes, and approx. 3.0 m in the max. height.

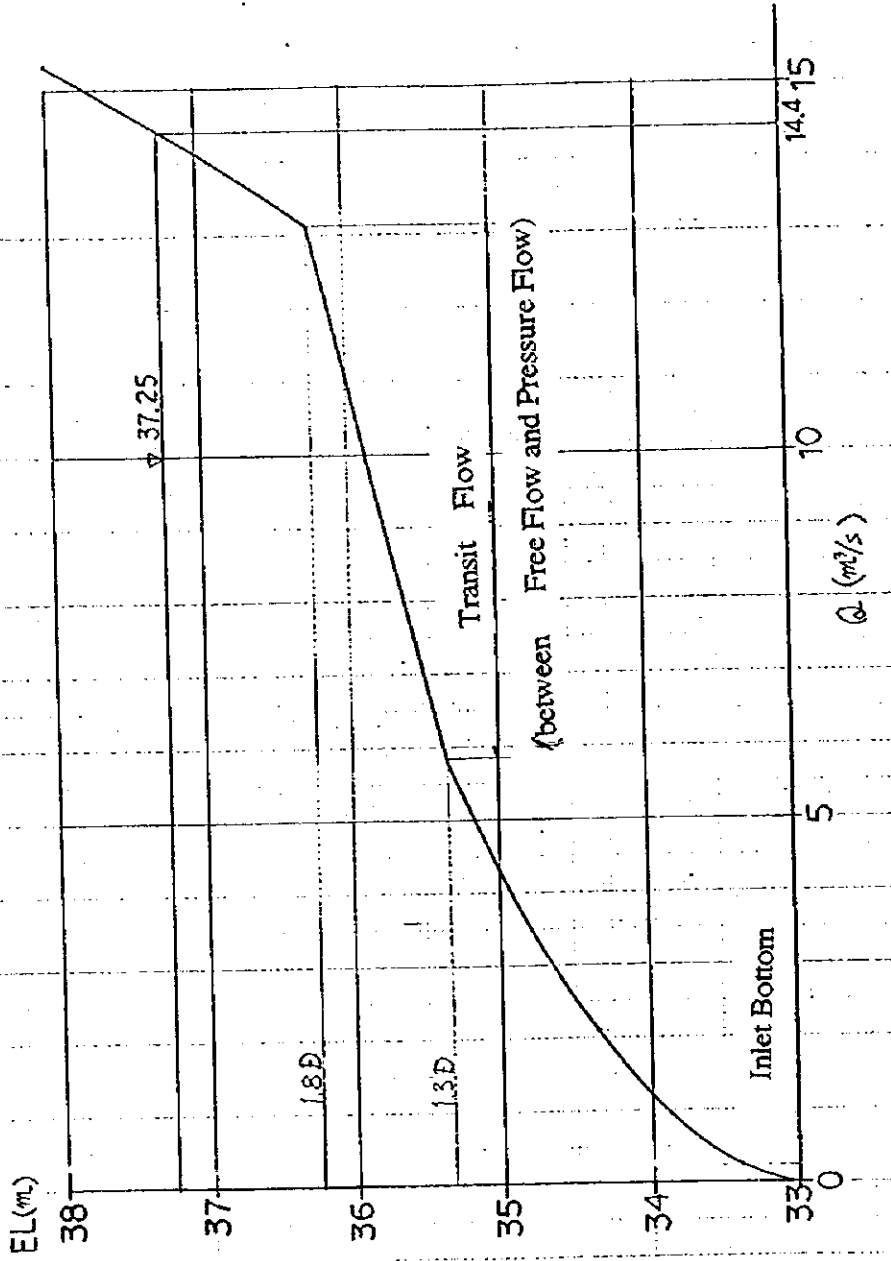
(2) River diversion plan during the second dry season

For the second dry season, a concrete lined steel pipe of 1.8 m in diameter is to be placed on the left bank side after the excavation of approx. 2.5 m deep. This pipe is utilized as a permanent irrigation conduit after the construction works. The pipe

capacity has approx. $15 \text{ m}^3/\text{s}$ at WL. 37.3 m. The open channel on the left bank will be removed in the middle of dry season, therefore the capacity of river diversion becomes almost double during the early part of dry season when a flood occurrence is expected to be higher in the dry season.

The dam embankment will be carried out mostly during 3 months from January to March and the maximum probable daily rainfall is only 31 mm which is nearly a half of that in 6 months. That is, actual safety factor is increased.

In addition to the above, it is informed for a reference that the max. discharge in the San Felipe river was $38 \text{ m}^3/\text{s}$ (Aug. 13) in the rainy season, less than $1 \text{ m}^3/\text{s}$ in May and June, and less than $10 \text{ m}^3/\text{s}$ in October and November according to the new observation started in May 1996.

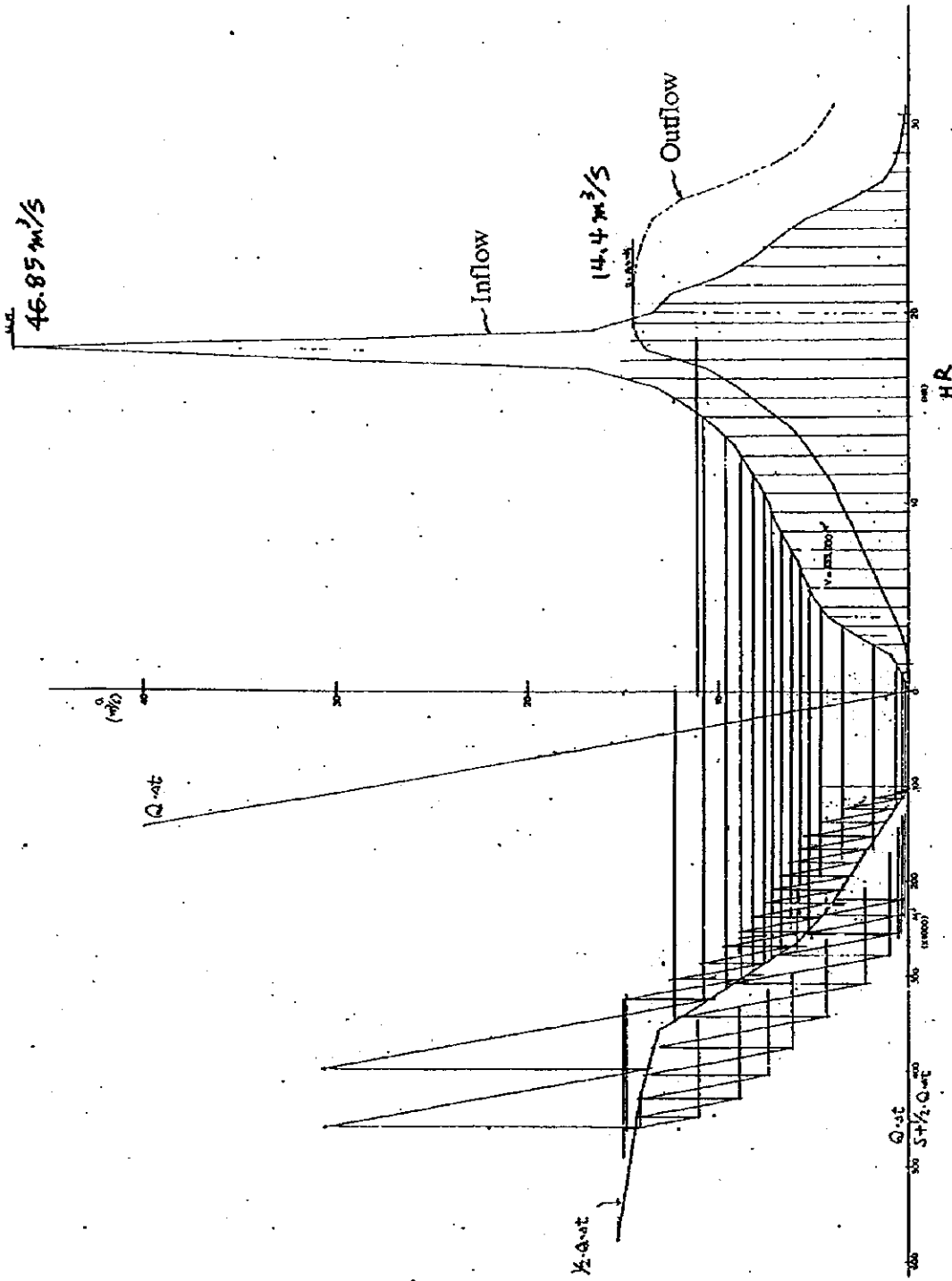


Diversion Conduit (1.8 m in diameter), Water Level - Discharge Curve

BASIC DESIGN FOR INFANTA IMPOUNDING IRRIGATION AND ENVIRONMENTAL IMPROVEMENT PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY

Capacity Curve of Steel Pipe (ϕ 1.8 m)



Flood Routing Calculation for
River Diversion (φ 1.8 m pipe)

BASIC DESIGN FOR INFANTA IMPOUNDING IRRIGATION
AND ENVIRONMENTAL IMPROVEMENT PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

Case: φ 1.8 m

Appendix 7 References

	Title	Publisher	Year
Geology / Topography			
1	Roadmap of the Philippines	National Book Store Inc.	1985
2	Map of 1/50,000 (Santa Cruz, Bugallon)	National Mapping and Resource Information Authority	1989
3	Map of 1/250,000 (Tarlac)	National Mapping and Resource Information Authority	
4	The Nipas Law	Department of Environmental and Natural Resource	1992
5	Report on the semi-detailed geological investigation of the proposed San Felipe Mini-Reservoir Project in Infanta, Pangasinan	NIA Investigation Team	1980
6	The Geology and Mineral Resources of Pangasinan Province. Report of Investigation No. 75.	Philippine Bureau of Mines	1974
7	Sheet 2967 I, Geological map of Dasol Quadrangle, Scale 1 : 50,000.	Philippine Bureau of Mines and Geo-Sciences	1983
8	Sheet 2967 II, Geological map of Malabago Quadrangle, Scale 1:50,000.	Philippine Bureau of Mines and Geo-Sciences	1983
9	Geology of the Zambales Range, Luzon, Philippine Islands, Ophiolite Derived from Island Arc-Back Arc Basin Pair. 95-123. Geophysical Monograph 27, Am. Geophy. Union	James W. Haukins and Cunthia A. Evance	1983
10	Petrological and Geochemical Documentation of Ocean Floor Metamorphism in Zambales Ophiolite, Philippines. 139-155. Geophysical Monograph 27, Am. Geophy. Union.	E. E. Geary and R. W. Kay	1983
Soci-Economy / Development Plan			
1	Medium-Term Philippine Development Plan 1993 - 1998	NEDA	1994
2	National Handbook on Land and Other Physical Resources	NEDA	1991
3	Philippine Statistical Year Book 1994	National Statistic Courti. B.	1994
4	Statistics & Province of Pangasinan	Pangasinan Province	1994
5	Provincial Physical Framework Plan 1996 - 2026	Pangasinan Province	1996
6	Poverty Statistics, Dec. 1996	NSCB	1996
7	Regional, Social and Economic TRENDS, Region I, 1995	NSCB	1995
Environment / Afforestation			
1	Nipas Act R.A 7586 and Implementing and Regulations Dao 25 1992	Department of Environmental and Natural Resource	1992
2	A Primer on Environmental Impact Assessment in the Philippines	Department of Environmental and Natural Resource (EMB)	1992
3	Amending the Revised Rules and Regulations Implementing P.D. 1586	Department of Environmental and Natural Resource (EMB)	1992

	Title	Publisher	Year
Environment / Afforestation			
4	Policies, Memoranda and other issuances on the National Forestation Program Volume-II	DENR	1991
5	Policies, Memoranda and other issuances on the National Forestation Program Volume-IV	DENR	1991
6	Policies, Memoranda and other issuances on the National Forestation Program Volume-VII	DENR DENR	1991
7	Our Future Forests		
8	Timbers of the Philippines (Volume 1)	GOVERNMENT PRINTING OFFICE	1974
9	Manual of Reforestation and Erosion Control for the Philippines	ESCHBORN	1975
10	Land Use Map Province of Pangasinan		
11	Philippine, Environmental Quality Report 1990 - 1995	EMB	1995
Agriculture / Soil / Land Use			
1	Statistics on Selected Major Crops 1981 - 1990	Bureau of Agricultural Statistics	1994
2	Soil Survey in Infanta	B S W M	1993
3	Soil Classification In Pangasinan	URDYA	
4	Land Use Map in Pangasinan	URDYA	1994
5	Soil Map in Pangasinan & La Union	D E N R	
6	Agricultural Foreign Trade Development, June 1997	AMSAD, DOA	1997
7	Agricultural Commodities world prices monitoring July 1997	AMSAD, DOA	1997
8	Rice and Corn Situation and Outlook, July 1997	BAS	1997
9	Selected Statistics on Agriculture 1983 - 1993	BAS	1993
10	Agricultural Marketing in Pangasinan	PSA, INC	
Hydrology			
1	Daily Rainfal Values, Sta Cruz, 1975 - 1995	PAGASA	1996
2	Daily Rainfal Values, Dagupan City, 1961 - 1995	PAGASA	1996
3	Daily Rainfal Values, Mabini, 1968 - 1995	PAGASA	1996
4	Daily Rainfal Values, Iba, 1961 - 1995	PAGASA	1996
Design Standard / Design Drawings			
1	Design guides and Criteria for irrigation Canals, O&M Roads Drainage Channels & Appurtenant structures	NIA	1979
2	Bamban Weir Struc. Drawings (1 sheet) San Felipe Weir Struc. Drawings (4 sheet)	NIA	-
3	Barangay Road Standard Design Drawing	PEO	-
4	Box-Culverts Struvtural Drawing (2 Sheet)	PEO	-

Title	Publisher	Year
Construction / Cost Estimate		
1 Gravel Pavement Road Cost Estimate	PGP	1996
2 League of Pangasinan Contractors		1996
3 Guidelines on the Procurement of Consulting Services for Government Projects	NEDA	1992
4 Equipment Guidebook	ACEL	1992
5 Construction Materials	RID	1996
Others		
1 Settlement Plan Infanta Impounding Irrigation and Environmental Improvement Project	Pangasinan Housing & Urban Development Coordinating Office	1996
2 Integrated Plan for the Mount Pinatubo Affected Areas	Mt. Pinatubo Commission	1994

